

Note to Signing Official: In accordance with Title 40 of the Code of Federal Regulations Part 403 Section 403.14, information and data provided in this permit application, which identifies the nature and frequency of discharge, shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2.

	SECTION A	A – GENERAL INI	FORMATIO	V
If no, provide th	Name By didentified above the ow	the owner and submit a copy	No	d /or other documents
3. FACILITY A				
D didi	. Ave South	SIOUX CHY NE	68776	
Street	City	State	Zip	Jurisdiction
4. MAILING A	ADDRESS (if different)			
Same	as above			
Street		City	State	Zip
5. DESIGNAT	TED SIGNATORY AUTI	HORITY OF THE FACILITY:		
	nal information for each	authorized representative: N Title Regula	tory Comp	liance Director
Address 1	olb D Ave	Citz		JE Zip 68776
	-615-2620 TED FACILITY CONTA	Email Address dw	ccaslen@l	oigoxenergy.com
	ry Winkler		Manager	
Phone 920	-615-1459	Email Address F	owinkler@	d laigoxenergy.com
7. DESIGNAT	TED BILLING CONTAC	et: example a series and example		
Name Tal	otha Anders	on Title Accoun	ts Payalde	Team Lead
Phone 92	0-425-7192			@ boetcams.com



SECTION B - BUSINESS ACTIVITY

1. If your facility employs or will be employing processes in any of the industrial categories or business activities listed below (regardless of whether they generate wastewater, waste, sludge or hazardous wastes) place a check beside the category of business activity (check all that apply) Industrial Categories* Airport Deicing Aluminum Forming Asbestos Manufacturina Battery Manufacturing **Builders Paper and** Carbon Black Cement Manufacturing Centralized Waste **Board Mills** Manufacturing Treatment Chemical Formulators Coil Coating Copper Forming Dairy Products and Packagers Processing Electrical and Electronic Electroplating Explosives Manufacturing **Feedlots** Components Ferro Alloy Manufacturing Fertilizer Manufacturin Canned & Preserved Fruits Glass Manufacturing and Vegetables Processing Grain Mills Gum and Wood Hospitals Industrial Laundries Chemicals Mfgring Ink Formulating Inorganic Chemicals Iron & Steel Manufacturing Landfills or Incinerators Manufacturing Leather Tanning and Finishing Meat Products Metal Finishing Metal Molding and Casting Metal Products & Machinery Mineral Mining & Nonferrous Metals Forming & Nonferrous Metals **Processing** Metal Powders Manufacturing Ore Mining and Dressing Organic Chem., Plastic Paint Formulatina Paving & Roofing & Synthetic Fibers **Materials** Petroleum Refinina Pharmaceutical Phosphate Manufacturing Photographic Manufacturing **Processing** Plastics Molding and Porcelain Enameling Pulp, Paper & Paper Board **Rubber Processing** Forming Canned & Preserved Soaps and Steam Electric Power General Sugar Processing Seafood Processing **Detergents** Textile Mills **Timber Products** Transportation Equipment **Urban Stormwater Processing** Cleaning *Environmental Protection Agency (EPA) Categorical Pretreatment standards may apply to facilities with the processes listed above. These facilities are termed "Categorical Users"



Give a brief description of all operations at this facility including primary products or services (attach additional sheets if necessary)												
Anaerobic digestion of biodegradable food processing material for renewable energy generation and sale. Wastewater neutralization and solids experation for centrate, industrial and sanitary wastewater.												
Indicate applicable Star	ndard Industrial Classif	ication (SIC) for a	all processes: ((If more than one applies, list all)								
A 4952	В	С		D								
	Product	Volume Estimate										
Product	Past	A	mounts Per Do	ay (Daily Units)								
Produced	Calendar	Maximum	Average	Maximum								
Wastewater	Jun. 12017 - Prac	at 2.1 MAD	1.75 MG	0.3 MED								
	,											
Year Operations Began:	2016	ALAYS.		198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 - 198 -								



SECTI	ON C - WA	TER SLIPPLY								
Sources (check all that ap	(vla	ILK 3011L1								
Private Well	P.77)	Conference W. J.								
Municipal Water (Specify City): Sputh	X Sioux Giz Other	Surface Water (Specify):								
	Ox Energy	(specify).								
	t Number City State 7in	N: 11 11 + 1 / 60 11 / 61								
3. Street Address on bill (Street Number, City, State, Zip): 1616 DAVe, 550 NE 687 4. Water Service Account Number:										
5. List average water usage o		s may estimate usage)								
Туре	Average Water Usage (gpd)	Indicate Estimated or Measured								
A. Contact cooling water										
B. Non-contact cooling water										
C. Boiler feed										
D. Process Vsage	25,000 apd	Measured								
E. Sanitary	1,000 apal	estimated								
F. Air pollution control Gas SKID	15,000 apd	metered								
G. Contained in product	Jess Jes.	THE COLOR								
H. Plant and equipment wash down	Process Venge									
I. Irrigation and equipment wash										
J. Other (specify):										
Total of A-J	41,000 apd									
SECTION	D – SEWER II	NFORMATION								
	FOR EXISTING BUSINESSES	SONLY								
Is the building presently connected system?	to the public sanitary sewer	2. Sanitary sewer account number								
Yes	No	92906-1015405								
3. Have you applied for a sanitary :	sewer connection?									
	OR NEW BUSINESSES O	NLY								
 Will you be occupying an existin 	g vacant building (such as	in an industrial park)?								



2. Have	you applied for a building _l	permit if a n	ew facility	will be co	nstructed?			
3. Will yo	u be connected to the pub	olic sanitary	sewersys	tem?				
4. List the sewer	size, descriptive location, system. (If needed, attach	and flow of additional	each faci informatio	lity sewer n on anoth	line which oner sheet)	connects	to the City'	s
Sewer Size	Descriptive Location of Sewe	r Connection	or Dischar	ge Point	Average Fl	ow (GPD)		
				2				
	SECT	ION	E - W	AST	EWA	TER		
	DISC	HAR	GEIN	NFOR	RMAI	ION		
1. Does	or will) this facility discharg	ge any w <u>ast</u>	No					
2. Provid	e the following information	on wastew					the applic	ation
		Monday	Tuesday	Wednesday		Friday	Saturday	Sunday
Hours/Day (e.g., 8hrs/	y of discharge day)	24hr						→
Hours of C (e.g., 9 a.n	vischarge n. to 5 p.m.)	24hr						\rightarrow



3. Wastewater Flowrates			
Peak Per Minute (gpm)	2100 apm	h. Peris Dai	<u> </u>
Annual Average Flowrate (GPD)		by Peak Degi	an Capacity
Max Daily Flow Rate (GPD)	30 MGD	* effluent Dis	
Discharge Type		Design Capaciontinuous X	
If Batch, Provide the Following:		ioniniooos	Other
Number of Batch Discharges per Week	Gallons Discharge	Time of Batch Discharge (Time of Day)	Flow Rate of Discharge
			(GrM)
4. Schematic Flow Diagram generated, draw a diagrar the start of the activity to its Indicate which processes us volume and maximum daily estimates are used for flow wastewater discharges to the processes in the building lay Facilities that checked activities and should proceed to Process Sch	on of the flow of mestion, sho se water and gen y volume of each data, this must be the public sewer. Legout in Section H. wities in Section B question 6 in section 1	aterials, products, water wing all unit processes. erate wastestreams. Incompastestream (new facility indicated. Number each lise these numbers when (1) may be considered chion E.	, and wastewater from ude the average daily lies may estimate). If th unit process having showing the unit



F Faultin C 1				***
discharge (<u>l</u>	egorical Users Only: List an average wastewater dispatch. continuous. or both), for each plant process. nat corresponds to each process. (New facilities should be continued to each process.)	Include the reference	ce number from the	he process
No.	Process Description	Avg Flow (GPD)	Maximum Flow (GPD)	Type of Discharge
	GEM	1.735 MGD	3.0 MGD	Continue
2	GAS SLID	=015 MAD		Daily
				1

A	iona / and 7 and 16	<u> </u>		-
	ions 6 and 7 only if you are subject to cat			ds
proposed pr	ical Users: Provide the totals of wastewater discharge occesses. Include the reference number from the pew facilities should provide estimates for each discharge	process schematic th	our processes or at corresponds to	each
No.	Regulated Process	Avg Flow (GPD)	Maximum	Type of
			Flow (GPD)	Discharge
				_
No.	Unregulated Process	Average Flow (GPD)	Maximum Flow (GPD)	Type of Discharae
				PIVEIIGIGE

	orical users subject to Total Toxic Organic		nts, please pro	vide the
A. Does (d	or will) this facility use any of the toxic organics	that are listed		
	he TTO standard of the applicable categoricates published by EPA?	al pretreatment		
	paseline monitoring report (BMR) been submitt contains TTO information?	red		
C. Has a t	oxic organics management plan (TOMP) bee	n developed?		



Do you have, or plan to have, autometering equipment at this facility	omatic sampl	ing equipment or co	ntinuous	wastew	ater flow				
Currently		Past							
Flow Metering Yes No	NA	Flow Meterii	Yes ng	No	NA				
Sampling Yes No	NA	Samplir		No	NA				
If so, please indicate the present or for schematic and describe the equipment	ent below:								
Facility has a 4 bottle of (Isco). The flow meter is confident for discharge 9. Are any process changes or expart the next three years that could alter or characteristics? Consider products air or water pollution treatment affect the discharge. 10. Briefly describe these changes are (Attach additional sheets if needed)	er wastewater uction process processes tha	volumes es as well it may (If no, c	ontinue to	lo X questior	n 11)				
11. Are any materials or water reclam systems in use or planned?	nation	Yes No X	(If no, co	ntinue to	section F)				



12. Briefly describe recovery process, substance recovered, percent recovered, and the concentration in the spent solution. Submit a flow diagram for each process (Attach additional sheets if needed)	



SECTION F - CHARACTERISTICS OF DISCHARGE

Priority Pollutant Information: Please indicate by selecting from the check boxes below for each listed chemical whether it is "Suspected to be Absent," "Known to be Absent," "Suspected to be Present," or "Known to be Present" in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Compounds with an asterisk (*) indicate possible synonym listing- See Priority Pollutant synonym list in Appendix A.

ltem No.	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present	Item No.	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known
1.	Asbestos (fibrous)				П	66.	1,2-dichloroethane*	П	\Box	ТТ	
2.	Cyanide (total)					67.	1,1-dichloroethene*			\vdash	
3.	Antimony (total)					68.	Trans-1,2-dichloroethene*	\forall			—
4.	Arsenic (total)					69.	2,4-dichlorophenol				_
5.	Beryllium (total)					70.	1,2-dichloropropane*	\vdash	H	+	\vdash
6.	Cadmium (total)					71.	(cis & trans) 1,3-	H	H	++	\vdash
7.	Chromium (total)					72.	Dieldrin	+	+	+	╫╴
8.	Copper (total)					73.	Diethyl phthalate*	H	퓜	Ħ	┢
9.	Lead (total)					74.	2,4-dimethylphenol*	H	ㅐ	\vdash	十
10.	Mercury (total)					75.	Dimethyl phthalate	Ħ	H	+	H
11.	Nickel (total)					76.	Di-n-butyl phthalate	H	+	+	\vdash
12.	Selenium (total)					77.	Di-n-octyl phthalate*	H			\vdash
13.	Silver (total)					78.	4,6-dinitro-2-	H	ㅐ	H	\vdash
14.	Thallium (total)					79.	2,4-dinitrophenol	H	+	+	+
15.	Zinc (total)		П	H	H	80.	2,4-dinitrotoluene	H	+	H	┢
16.	Acenaphthene					81.	2,6-dinitrotoluene	H	++	++1	\vdash
17.	Acenaphthylene					82.	1,2-diphenylhydrazine*			+	-
18.	Acrolein			Ħt		83.	Endosulfan 1*	H	$+\!+\!\!+$	H	+
19.	Acrylonitrile			Ħ		84.	Endosulfan 11*	H	H	+	+
20.	Aldrin			\Box	\Box	85.	Endosulfan sulfate	H	$+ \parallel$	++1	+
21.	Anthracene		H	\vdash	H	86.	Endrin	H	H	H	+
22.	Benzene	H		H		87.		Н	H	-	_
23.	Benzidine	H	H	$\dashv \vdash$	H +	88.	Endrin aldehyde	H	H	H	_
24.	Benzo (a) anthracene*			╀╃┼		89.	Ethylbenzene	H	$+ \parallel$	H	_
25.	Benzo (a) pyrene*	 	╆═╅┼	┲┪┼	┢═╅┤	90.	Fluoranthene	$\vdash \downarrow \downarrow$	┾╃	$+ \downarrow \downarrow$	_
26.	Benzo (b) fluoranthene*		╀	╆	┝╼┼┼		Fluorene*	┝┽	╆┪	$\vdash \downarrow \downarrow$	_
27.	Benzo (g,h,i) perylene*	H			\vdash	91. 92.	Heptachlor Heptachlor epoxide	\Box			



Γ							7			
28.	Benzo (k) fluoranthene*	$\perp \perp$	Ш	\Box		93.	Hexachlorobenzene*			
29.	a-BHC (alpha)	$\bot \bot $	\Box	\coprod		94.	Hexachlorobutadiene			
30.	b-BHC (beta)	\perp				95.	Hexachlorocyclopentadiene*			
31.	d-BHC (delta)					96.	Hexachloroethane*			
32.	g-BHC (gamma)*					97.	Indeno (1,2,3-cd) pyrene*			
33.	Bis (2-chloroethyl) ether*					98.	Isophorone*			
34.	Bis (2-chloroethoxy) methane*					99.	Methylene chloride*			
35.	Bis (2-chloroisopropyl) ether*					100.	Naphthalene			
36.	Bis (chloromethyl) ether*					101.	Nitrobenzene			$I\Pi$
37.	Bis (2-ethylhexyl) phthalate*					102.	2-nitrophenol*			
38.	Bromodichloromethane					103.	4-nitrophenol*			
39.	Bromoform*					104.	N-nitrosodimethylamine*			$\top \Box$
40.	Bromomethane*					105.	N-nitroso-di-n- propylamine*			
41.	4-bromophenylphenyl ether					106.	N-nitrosodiphenylamine*			
42.	Butylbenzyl phthalate		П	П	П	107.	PCB-1016*		П	\top
43.	Carbon tetrachloride*			T		108.	PCB-1221*	H	H	+H
44.	Chlordane					109.	PCB-1232*			+H
45.	4-chloro-3- methylphenol*					110.	PCB-1242*			
46.	Chlorobenzene					111.	PCB-1248*			$\top \top \top$
47.	Chloroethane*					112.	PCB-1254*		T	
48.	2-chloroethylvinyl ether					113.	PCB-1260*			T
49.	Chloroform*					114.	Pentachlorophenol			TIT
50.	Chloromethane*					115.	Phenanthrene		H	T
51.	2-chloronaphthalene			$\top\Box$	ТП	116.	Phenol			
52.	2-chlorophenol*					117.	Pyrene			
53.	4-chlorophenylphenyl ether					118.	2,3,7,8-tetrachlorodibenzo- p- dioxin*			
54.	Chrysene*		П		\top	119.	1,1,2,2-tetrachloroethane*		П	$+$ \Box
55.	4,4 - DDD*					120.	Tetrachloroethene*			
56.	4,4 - DDE*					121.	Toluene*			
57.	4,4 - DDT*					122.	Toxaphene			+
58.	Dibenzo (a,h) anthracene*					123.	1,2,4-trichlorobenzene			
59.	Dibromochloromethane					124.	1,1,1-trichloroethane*			
60.	1,2-dichlorobenzene*					125.	1,1,2-trichloroethane*		П	$\top \Box$



PERMIT APPLICATION

Wastewater Contributor

Sioux City Pretreatment Program

61.	1,3-dichlorobenzene*	\prod	T	T	I		T			126.	Trichloroethene*
62.	1,4-dichlorobenzene*		T		T	П	T	7	7	127.	Trichlorofluoromethane*
63.	3,3-dichlorobenzidine	T		T	T	Ħ	T	T	\top	128.	2,4,6-trichlorophenol
64.	Dichlorodifluoromethane*					Π	T	7	\top	129.	Vinyl chloride*
65.	1,1-dichloroethane*	Ħ	T	1	T	I	T	†	\forall		

For each of the chemical compounds which are indicated to be "Known Present," please list and provide the following data for each: (attach additional sheets if needed)

Item No.	Chemical Compound	Annual Usage (lbs.)	Estimated Loss to Sewer (lbs./Year)
		-	



PERMIT APPLICATION

Wastewater Contributor

Sioux City Pretreatment Program

SECTION G - TREATMENT							
 Is any form of wastewater treatment (see full list below) practiced at this Is any form of wastewater treatment (or changes to an existing wastewater treatment) planned for this facility within the next three years? (describe below) 							
3. Treatment many as a			use	d or proposed for t	reating wastewa	ter or sl	udge (check as
Air flotation	X	Cyclone		Grinding filter	Sedimentation		Solvent
Centrifuge		Filtration		Grit removal	Screen	X	Spill
Chemical precipitation	X	Flow equalization	X	lon exchange	Reverse osmosis		Sump
Chlorination		Grease trap		Ozonation	Septic tank		
Rainwater d	iversi	on or storage		Neutraliza	ition, pH correctio	n	
Grease or o	il sep	aration (list type)					
Biological tr							
		eatment (list type		EM			
		reatment (list typ	e)				
Other (list typ	e)			NATURARIA del hati. Il Dische la sancaza del mun. A call'oric del 1000 con la companya del mun. Il del socio d			
Procedure	4. Describe the pollutant loadings, flow rates, design capacity, physical size, and operating procedures for each treatment facility checked above (attach additional sheets if necessary) fotury screen fed by a flow Eq tank through Chemical dosing prior to GEM. Max Flow 3.0 MHD.						
5. Attach a p	5. Attach a process flow diagram for each existing treatment system. Include process equipment, by-products, by-product disposal method, waste and by-product volumes,						
the wastev	 6. Describe any changes in treatment or disposal methods planned or under construction for the wastewater discharge to the City of Sioux City sanitary sewer. Please include estimated completion dates 						
5. Proces	sf	low diagno	ım	-AHachmer	1#2		



Operator N	7. Do you have a wastewater treatment operator?					Yes		N	No	
1 11	Operator Name			e Numb	er	Phone		Em	Email	
Desirec M	clasi	len A	4-81	659						
Specify Oper	rating	Hours	Mon	Tues	We	d Thurs	Fri	Sat	Sun	
Pretreatment	Syste	m 2	4 hr						>	
No. of Full Tin	ne Sta		33				-)	
No. of Part Tir	ne Sta	ff	0						>	
Do you have a equipment?	writter	n manual d		rrect op	eration	of your tree	atment	Yes	No No	
Do you have a	writter	n maintend	nce sch	edule fo	r your t	reatment e	quipment?	Yes	No	
1. Shift Inform										
3		Mandana	T							
3		Monday			nesday		Friday	Saturday	 	
Work days	av	X	X		X	X	Х	X	X	
Work days Shifts per work do	ay 1st	X	X 2		X D	X		X	2	
Work days Shifts per work do Employees	T	X	x 2 14		X	X 2 14	X 2 14	X 2 8	X	
Work days Shifts per work do Employees per shift	1 st	X 2 14	X 2		х Э	X	Х	X	X	
Work days Shifts per work do Employees per shift Shift start and	1st 2nd	χ 2 14 δ	x 2 14 8		х Э	X 2 14	X 2 14	X 2 8	X	
Work days Shifts per work do Employees per shift Shift start and end time	1 st 2 nd 3 rd	X 2 14	x 2 14 8		х Э	X 2 14	X 2 14	X 2 8	X 2 8 8	



PERMIT APPLICATION Wastewater Contributor

Sioux City Pretreatment Program

3. List type and quantity of chemicals used or planned for use (attach list if needed) INCLUDE COPIES OF ALL MATERIAL SAFETY DATA SHEETS FOR ALL CHEMICALS IDENTIFIED						
Chemical Quantity (inc. units) Potential to Discharge to Sewer (You	N)					
Muriatic Acid 2-275 gallon totes No-Internal Process	ine					
Socion Hydroxide 2-275 gallon total No - Internal Process	ine					
Ferric Chlond 12000 Bnik Tank External Tunk)					
Anionic Polymer ~ 500 gallon make up No - Internal process	ina					
Cationic Polymer ~500 gallon make up No - Internal processi	~					
Hydraulic 211 55-gallon or consumer NO-Internal progssin	3					
Cleaning Chemicals Consumer Size No - Internal process	no					
Lab chemicals Consumer Size No-Internal processi	20 -					
	5					
4. Building Layout – Include a scale map or drawing of the location of each building on the premises. Show map orientation and location of all water meters, storm drains, numbered unit processes (from schematic flow diagram), public sewers, and each facility sewer line connected to the City of Sioux City sewer. Number each sewer and show existing and proposed sampling locations. A blueprint or drawing of the facilities showing the above items may be attached in lieu of submitting a drawing on this sheet. Attach ment # 3A ? 3B						



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Sioux City Pretreatment Program

SECTION I – SPILL PREVENTION	
Do you have chemical storage containers, tanks, vessels, etc. at your facility?	Yes No
 If yes, include all raw products, waste products, chemicals, cleaning supports in quantities greater than 10 gallons for liquids or 50 lbs for solids. In additional sheets are attached. 	olies, etc. stored
Product/Item Stored Maximum Quantity Stored (Include Units) Location and Container Type Muriatic Acid 525 gallons Internal / Totes Saduim type toxice 525 gallons Internal / Totes Erric Chloricle 12,000 gallon External / Tank Anionic Polymer n500 gallon Internal / tank Cationic Polymer n500 gallon Internal / Tank If yes was answered above in Section 2 please fill in Question 4 below 4. Where do they discharge to?	Yes No Yes No Yes No Yes No No
Flant return well for neutralization and trea 5. If you have chemical storage containers, tanks, vessels, etc. in the manufacould an accidental spill lead to a discharge to (check all that apply) An onsite disposal system Sanitary sewer system (e.g. through a floor drain) Sometiment of the manufacture of the ma	acturing area,
6. Do you have an accidental spill prevention plan, Slug Control Plan, or SPC prevent spills of chemicals or sludge discharges from entering the wastewo collection systems?	C plan to ater or storm
Yes No Yes (please enclose copies with application)- Slug Control Plan required within 90 days of issuance of permit 7. Please describe below any previous spill events (within last three years) an measures taken to prevent their reoccurrence	d remedial



SECTION J - NON-DISCHARGED WASTES 1. Are any waste liquids or sludge materials generated and not disposed of <u>in</u>the sanitary sewer system? **Waste Generated Quantity (Per Year) Disposal Method** Digester Shidge 46 tons 1 day 2. Indicate which wastes identified above are disposed of at an off-site facility and which are disposed of on-site Digital Studge off 5He. 3. If any of your wastes are sent to an off-site centralized waste treatment facility, identify the waste and the facility: 4. If an outside firm removes any of the above listed wastes, state the name(s) and address(es) of all waste haulers Name **Address** Permit No. 1364 US20, Jackson, NE Gill Hauling 5. Have you been issued any Federal, State, or local Yes No environmental permits? X If yes, please list below Permit Type/Description **Permitting Entity** Number Stormwater Permit NER910002 NDED Air Emmissions Permit NDED CP15008



SECTION L - AUTHORIZED SIGNATURES 1. Compliance Certification 2. Are all applicable Federal, State, or local pretreatment standards and requirements being met on a consistent basis? Yes | X | No (if no answer question below) Not Yet Discharging 3. What additional operations and maintenance procedures are being considered to bring the facility into compliance? Also, list additional treatment technology or practice being considered in order to bring the facility into compliance 4. Provide a schedule for bringing the facility into compliance. Specify major events planned along with reasonable completion dates. Note that if the City of Sioux City issues a permit to the applicant, it may establish a schedule for compliance different from the one submitted by the Milestone Activity **Completion Date**



5. Authorized Representative Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Desiree	McCaslen
First Name	Last Name
Regulatory Compliance Director	
Desir MCCare	8/29/17
Signature	Date

APPENDIX A- PRIORITY POLLUTANT SYNONYM LISTING

Chemical Compound	Synonym
Asbestos	Actinolite, Amosite, Antophyllite, Chrysotile,
	Crocidolite, Tremolite
Cyanide	Hydrogen Cyanide, Potassium Cyanide, Sodium
Antimony	Cyanide
The same of the sa	Stibium
Arsenic	Arsenia
Beryllium Lead	Glucinium
Mercury	Plumbum
Silver	Hydrargyrum; Liquid Silver, Quick Silver
	Argentum
Acenaphthene	1,2-Dihydroacenoaphthylene;
	Periethylenenaphthalene; 1,8-
Acrolein *	Ethylenenaphthalene
ACIOIEIII	2-Propenal; Propenal; Allyl aldehyde, Acraldehyde
Acrylonitrile	Acrylaidehyde, Acrylic aldehyde, Aqualin
Actionine	2-Propenenitrile; Propenenitrile, Vinyl cyanide,
	Cyanoethylene; Acritet; Fumigrain; Ventox;
Aldrin	Acrylonitrile monomer
	1,2,3,4,10, 10-Hexachloro-1,4,4a,5,8,8a-Hexahydro
	1,4:5,8-Dimethanonaphthalene; HHDN; Compoun 118; Octalene
Benzene	Benzol; Cyclohexatriene, Phenyl hydride
Benzidine	
berizidirie	4,4'-Bianiline; 4,4'-Biphenyldiamine; 1,1'- Biphenyl-
	4,4'-diamine; 4,4'-Diaminobiphenyl; p-
Benzo(a)anthrasas	Diaminodiphenyl
Benzo(a)anthracene Benzo(a)pyrene	1,2-Benzanthracene, 2,3- Benzphenenthrene
Benzo(b)fluoranthene	3,4-Benzopyrene
De 1120 (B) 1100 ra i mene	2,3-Benzfluoranthen 2,3-Benzofluoranthene 3,4-
	Benz(e) acephenathrylene 3,4-Benzfluoranthene 3,4
Benzo(g,h,i)perylene	Benzofluoranthene Benz(e)fluoranthene 1,12-Benzoperylene
Benzo(k)fluoranthene	
g-BHC (gamma)	11,12-Benzofluoranthene Lindane
ois(2-chlorethoxl) methane	
Dichlorodifluoromethane	2,2'-Dichlorethyl ether Difluorodichloromethane, Flurocarbon-12
,1'dichloroethane	Ethylidene chloride
,2-dichloroethane	
,1-dichloroethane	Ethylene chloride, Ethylene dichloride 1,1-Dichloroethylene
rans-1,2-dichloroethene	
,2-dichloropropane	Acetylene dichloride
Cis & trans) 1.3- dichloropropaga	Propylene dichloride e (cis & trans) 1,3 Dichloropropylene
Diethylphthalate	Ethyliphth alata
2,4-dimethylphenol	Ethyl phthalate
di-n-octyl phthalate	2,4-zylenol
,6-dinitro-2- methylphenol	Di(2-ethylhexyl)phthalate
,2-diphenylhydrazine	4,6-Dinitro-octyl-cresol
ndosulfan I	Hydrazobenzene
indosulfan II	a-Endosulfan-alpha
	b-Endosulfan-beta
luorene	(alpha)-Diphylene methane
lexachorbenzene	Perchlorobenzene
lexachlrocyclopentadiene	Perchlorocyclopentadiene
lexachloroethane	Perchloroethane
ndeno-(1,3,3-cd) pyrene	2,3-ortho-Phenylene pyrene
sophorone	3,5,5-Trimethyl-2- Cyclohexene-1-one
Methylene chloride	Dichloromethane

Chemical Compound	Synonym
bis(2-chloroisopropyl) ether	2,2'-Dichloroisopropylether
bis(chloromethyl)ether	(sym)Dichloromethylether
bis(2-ethylhexyl) phthalate	2,2'-Diethylhexyl phthalate
Bromodichloromethane	Dichlorobromomethane
Bromoform	Tribromomethane
Bromomethane	Methyl bromide
carbon tetrachloride	
4-chloro-3-methylphenol	Tetrachloromethane
chloromethane	Para-chloro-meta-cresol
e more mane	Ethylchloride
chloroform	Trichloromethane
chloromethane	Methyl chloride
2-chlorophenol	Para-chlorophenol
Chrysene	1,2-Benzphenanthrene
4,4'-DDD	
4,4 -000	Dichlorodiphenyldichlorethane, p,p'-td Tetrachlorodiphenylethane
4,4'-DDE	Dicholodiphenyldichloroethylene
4,4'-DDT Dibenzo(a,h)anthracene	Dichlorodiphenyltrichloroethane
Dibromochloromethane	1,2,5,6-dibenzanthracene
1,2-dichlorobenzene	Chlorodibromomethane
1,2-dichlorobenzene	Ortho-dichlorobenzene
1,4-dichlorobenzene	Meta-dichlorobenzene
2-nitrophenyl	Para-dichlorobenzene
4-nitrophenyl	Para-nitrophenyl
	Ortho-nitrophenyl
N-nitrosodimethylamine	Dimethylnitrosoamine
N-nitrosodi-n- propylamine	n-Nitro-di-n-propylamine
N-nitrosodipheynylamine PCP-1018	Diphenyl-nitrosoamine
	Arochlor-1018
PCB-1221	Arochlor-1221
°CB-1232	Arochlor-1232
PCB-1242	Arochlor-1242
PCB-1248	Arochlor-1248
PCB-1254	Arochlor-1254
PCB-1260	Arochlor-1260
2,3,7,8-tetrachlorodibenzo-p- dioxin	TCDD
,1,2,2-tetrachloroethene	Acetylene tetrachloride
etrachloroethene	Perchloroethylene, Tetrachloroethylene
oluene	Methylbenzene toluol
,1,1-trichloroethane	Methyl chloroform
,1,2-trichloroethane	Vinyl trichloride
richloroethane	Trichloroethylene
richlorofluoromethane	Fluorocarbon-11; Fluorotrichloromethan
/inyl chloride	Chloroethene: Chloroethylene

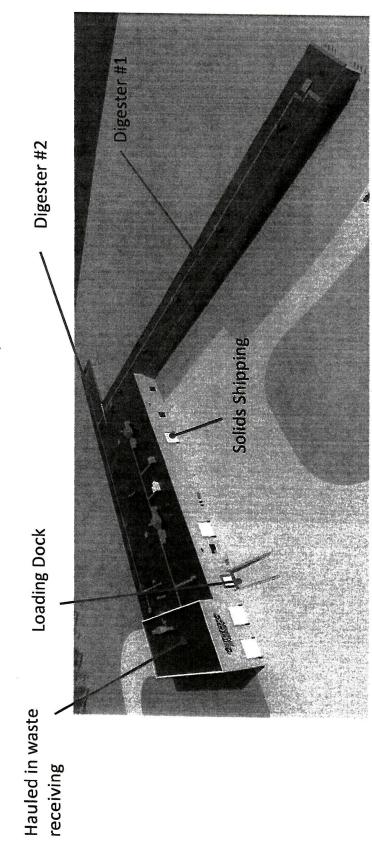
Attachment #1

> Effluent Flow Meter/Sampler Gas Energy Mixing (GEM) Rotary Screen GEM EQ Flash Tanks **GEM Sludge Tanks** Centrifuges (2)

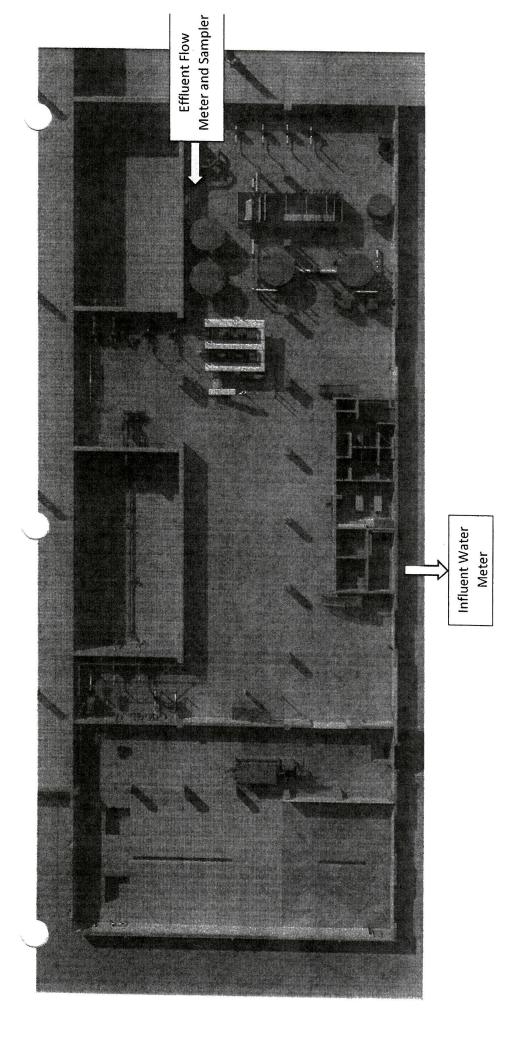
Attachment #2-Effluent Processing

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Attachment #3A-Facility Overview



		7. A



Attachment #3B-Inside Facility Overview